

19970602.qrp qrp-por0.744

>From owner-qrp-l@Lehigh.EDU Sun Jun 1 19:05:00 1997
>Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
> by calzone.oit.unc.edu (8.8.5/8.8.5) with ESMTP id TAA18528
> for <modena@sunsite.unc.edu>; Sun, 1 Jun 1997 19:04:52 -0400 (EDT)
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<35238-53236>; Sun, 1 Jun 1997 19:04:00 -0400
>Date: Sun, 1 Jun 1997 19:03:07 EDT
>Sender: owner-qrp-l@Lehigh.EDU
>Precedence: bulk
>From: qrp-l@Lehigh.EDU
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: QRP-L digest 744
>Mime-Version: 1.0
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>Message-Id: <97Jun1.190400edt.35238-53236+65@fidoii.cc.Lehigh.EDU>
>Content-Type: text/plain; charset=us-ascii
>Content-Length: 65192
>Status: OR

QRP-L Digest 744

Topics covered in this issue include:

- 1) [20592] 38S DXCC Count
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 2) [20593] FS: FT-707 (again)
by wb2vuo@juno.com (William K Hibbert)
- 3) [20594] Wilderness SST kits
by "Paul Christensen" <paulc@mediaone.net>
- 4) [20595] NE602
by "Steve & Anne Ray" <sbralr@worldnet.att.net>
- 5) [20596] Re: NE602's - Disappearing?
by "Robert J. Gobrick" <rgobrick@worldnet.att.net>
- 6) [20597] Dentron Jr Tuner Manual Needed
by Kd0su@kktv.com
- 7) [20598] Re: Matching Xtals for Filters
by dwink@juno.com (Daniel C Winkler)
- 8) [20599] 38S bandspread tuning, thump revisions
by dwink@juno.com (Daniel C Winkler)
- 9) [20600] Testing mixers
by Mike Czuhajewski <wa8mcq@u1.abs.net>
- 10) [20601] Contests and SS
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 11) [20602] WTB: Tokyo HiPower HT-750
by nskousen@scientech.com (Niel Skousen)
- 12) [20603] Coffee any one
by w7rfm@juno.com (John E Hirsch)

- 13) [20604] Fixes for HW-8 Tuning Caps
by George Gingell <k3tks@u1.abs.net>
- 14) [20605] Re: Coffee any one
by Bill Todd <bill@techline.com>
- 15) [20606] PW QRP Contest
by Tony Fishpool <G4WIF@compuserve.com>
- 16) [20607] Re: SBL-1/SRA-1 Mixer Replacement
by NilsBull@aol.com
- 17) [20608] Field Day in the Ozarks
by "Kelly Ellison" <kelman@dialnet.net>
- 18) [20609] 38S diode thump mod update
by Steve Miller <kg7pv@teleport.com>
- 19) [20610] Need Better Field Day Logging Method
by kd7s@psnw.com (Bill Jones)
- 20) [20611] Resonators and mixers
by "J.B. Fox" <w5hir@mail.phoenix.net>
- 21) [20612] Re: NE602's - Disappearing?
by "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
- 22) [20613] Re: Need Better Field Day Logging Method
by Joe Everhart <n2cx@voicenet.com>
- 23) [20614] Re: Resonators and mixers
by "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
- 24) [20615] Attn: QRP Clubs
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 25) [20616] swap
by K4NK@aol.com
- 26) [20617] WTB s&s engineerings tac-1
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 27) [20618] resonators etc
by "J.B. Fox" <w5hir@mail.phoenix.net>
- 28) [20619] S.C informal Group
by K4NK@aol.com
- 29) [20620] Second Reminder for the JUNE SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 30) [20621] 50/40/30 Activity
by Kr0i1@aol.com
- 31) [20622] CQ Harry KG5LO - Tnx!
by Joe Gervais <vole@primenet.com>
- 32) [20623] FS/FT Yaesu FT-707
by wb2vuo@juno.com (William K Hibbert)
- 33) [20624] Re: Testing mixers
by Zack Lau <zlau@arrl.org>
- 34) [20625] CW Bandwidth
by "Marshall Emm" <mgemm@mtechnologies.com>
- 35) [20626] Re: Need Better Field Day Logging Method
by "Marshall Emm" <mgemm@mtechnologies.com>
- 36) [20627] Ramblings
by Bob Hightower <ki7mn@dancris.com>

- 37) [20628] Re: 10 turn Pots
by Raventhorne <jelder@ix.netcom.com>
- 38) [20629] Re: Counterpoise Lengths
by Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
- 39) [20630] Mag mount
by Ronald Hands <rhands@hwc.n.org>
- 40) [20631] Re: Need Better Field Day Logging Method
by AE0Q V31RY <v31ry@ix.netcom.com>
- 41) [20632] JY5HX AMMAN JORDAN
by n4so@juno.com
- 42) [20633] Re: Mag mount
by "Thomas J. Whalen" <whalen@swcp.com>
- 43) [20634] Back Issues of The QRP ARCI Quarterly Journal
by George Gingell <k3tks@u1.abs.net>
- 44) [20635] Re: Ramblings
by James Parsons <k5rov@worldnet.att.net>

Date: Sat, 31 May 1997 19:26:00 -0400
 From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
 To: qrp-l@Lehigh.EDU
 Subject: [20592] 38S DXCC Count
 Message-ID: <3.0.1.16.19970531192600.2a37a902@mail-cluster.pcy.mci.net>
 MIME-version: 1.0
 Content-type: text/plain; charset=us-ascii

Gang....with 30 meters being so good the past two evenings,
 I've managed to up the DXCC country count to 40. The last
 four countries worked were: 4N0S (Azerbaijan), 0M5XX (Slovak
 Republic), 9A2AJ (Croatia) and 3B8CF (Mauritius).

That band sure has been good lately. Where are the western
 stateside stations hiding??

72.....Jim

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@mci2000.com		__o H.F. bicycle mobile
Fenton, MI		_`\<, Mizuho 17/40 SSB
...	(*)/(*)	...
NorCal 38S Log - 34 States;	40 Countries -	Running 3 watts
Most recent - Iowa	Mauritius	

Date: Sat, 31 May 1997 19:46:32 PST
From: wb2vuo@juno.com (William K Hibbert)
To: qrp-1@Lehigh.EDU
Subject: [20593] FS: FT-707 (again)
Message-ID: <19970531.194639.4607.1.wb2vuo@juno.com>

The fleas were either washed away in the rain, or just not biting....

Listing again:

Yaesu FT-707 HF transceiver: Covers 80 - 10 Meters (Including the 30/17/12 Mtr WARC bands). Up to 100 watts out, but throttles back to milliwatts for QRP. Transverter output on the rear apron (about 1 mW into 50-ohms). Runs USB/LSB/AM/CW, but no FM. Digital display (a sorta greenish-yellow LED) and analog dial with a calibrator (Marker) You could turn the counter off & use the analog dial to save current. I have a headset harnesses, (for a Heil headset) and a hand mike included. Cosmetically fair and electrically great. This rig is not mismatch-sensitive and is supposed to still give you 50% power into a 3:1 SWR (although I wouldn't run it that way unless absolutely no other antenna was available...).

Asking \$375 if you pick up here or \$400 shipped insured by your carrier of choice...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, NQ2RP/B 10 Mtr QRP Beacon (4 Watts @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

Date: Sat, 31 May 1997 21:39:32 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20594] Wilderness SST kits
Message-ID: <19970601013933.AAA8562@ccse.net.ccse.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Anyone know if Bob has started shipping the SST kits.yet?

-Paul

Date: Sat, 31 May 1997 22:37:23 -0400
From: "Steve & Anne Ray" <sbralr@worldnet.att.net>
To: "QRP Group" <qrp-1@Lehigh.EDU>
Subject: [20595] NE602
Message-ID: <19970601023754.AAA12944@pentium>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I recently ordered some NE602 from Dan's Small Parts and he sent me NE612 with a note saying the NE602 were going to take several months to come. Well I tried them out in my NC38S and SWL 30-40 and could not tell any difference. They seem to work just as good if not better. I realize this was not a scientific test, but for \$2.00 they meet the bill fine. Sure like doing business with Dan, mailed the order on a Wed and had it the following Wed, the one item he did not have he sent back the \$.45.

73/72

Steve Ray K4JPN ex K1VKW HW-101, HW-8, SWL 30-40, NC 38S and Heath
Kit fan

Date: Sat, 31 May 1997 21:56:04 -0500
From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
To: gsurrency@juno.com (Gary L Surrency), rgobrick@worldnet.att.net
Cc: qrp-1@Lehigh.EDU
Subject: [20596] Re: NE602's - Disappearing?
Message-ID: <3.0.32.19970530083436.00c30cc4@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gary,

Thanks for that info and right you are - S&S has been doing a top quality design (and kit) for quite a while using the preamp, and ring mixer. And I was negligent in missing that. So from what I am hearing there are only two firms (S&S and OHR) using this front end combo for their CW designs. Just about everyone else (except the UK company Hands) is using NE-602's.

I guess what I would love to see is a rig based on a superhet design using rf mixer and static ring packaged in a "Roy Lewellan" sized portable rig (Roy's famous rig was a direct conversion unit using the static ring mixer - pretty close).

So thanks again Gary for info.

73/72 Bob N0EB

At 05:44 5/30/97 +0000, Gary L Surrency wrote:

>RE: RF amp followed by diode ring mixer rcvr designs.....

>

>

>This design is precisely what the S&S Engineering rigs are based upon.

>Check them out if you want some high 3rd intercept figure performance,

>and a great rcvr!. I know, I have 3 S&S rigs. :-)

>

>Just a satisfied customer..... ;-)

>

>72,

>

>Gary Surrency AB7MY

>QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

>Az ScQRPions

>

| PLEASE NOTE NEW EMAIL ADDRESSES - PLEASE REPLY TO BOTH ADDRESSES |

| Bob Gobrick - N0EB & V01DRB (ex WA6ERB, VE2DRB) Stillwater, MN |

| Internet: rgob@tco.infonet.com |

| AND Internet: rgobrick@worldnet.att.com |

Date: 31 May 1997 20:24:00 -0700

From: Kd0su@kktv.com

To: qrp-l@Lehigh.EDU

Subject: [20597] Dentron Jr Tuner Manual Needed

Message-ID: <199706010300.XAA31119@nss2.CC.Lehigh.EDU>

I purchased a Dentron Jr Tuner at a swapfest today and wonder if anyone out there has a users manual or schematic. I would be happy to pay copying costs and postage if some one could help me out.

73, Rick

K0SU

Colorado Springs, CO

CQC #100 - MI QRP # 1284 - NORCAL #1939 - QRP-L #539

ARRL - AMSAT - SMIRK - 10-10

Date: Sat, 31 May 1997 20:46:27 PST

From: dwink@juno.com (Daniel C Winkler)

To: qrp-l@Lehigh.EDU

Subject: [20598] Re: Matching Xtals for Filters

Message-ID: <19970531.204645.8831.1.DWink@juno.com>

Hi gang,

The usual ladder configuration uses crystals in their series resonant mode, but the usual oscillator circuits use the parallel mode. I read somewhere that the series and parallel frequencies may have differing separations from crystal to crystal, even within the same batch. The author advised using an oscillator which relies on the series mode for oscillation. Matching crystals using a parallel mode oscillator might not get you as close to a matched set as you think.

I don't know how true this is, nor how big the error might be. It is yet something else for investigation. Does anyone out there know for certain how much variability in parallel to series spacing there is within a typical batch of computer crystals?

A simple oscillator using TWO inverting buffers (say, a 7404) has a phase shift of 0 degrees, plus two times the gate propagation delay. Even using an ancient 74LS04 the delay isn't too bad (20ns), and I think you'll be looking at close to the series resonant frequency. If you use only ONE gate, the crystal needs to provide a 180 degree phase shift; it will be working in its parallel mode.

One transistor amplifiers with voltage gain have a 180 degree phase shift, unless they contain a tapped inductor or transformer to reverse the phase. Oscillators using one transistor are all going to use the parallel mode unless they have a tapped inductor or transformer.

There is no reason why a person with a reasonable ear for pitch could not adequately match a batch of crystals. You could use two oscillators, one parallel and one series. Breadboard up your test jig using an NE602 for the parallel oscillator, and a pair of gates from a 74S04 for the series oscillator. You will leave the NE602 crystal in place as the fixed reference. Feed the signal from the series oscillator into the rf input of the 602. Attach an audio amp to the 602's output, which will be several kHz, the separation between the parallel and series resonant frequencies. Oops, that will make things tough. Better pull the parallel resonant oscillator down with a choke. Start with 10uh and see what you get. You want the frequency below 1000Hz (two octaves above middle C).

Take your crystals, the breadboard, a battery, and a Sharpie marker up to your piano (you've got an ear, so I assume you have a piano or have access to one). Listen to the note produced by crystal #1 in the series oscillator, and find it on the piano. Mark the crystal. (A above middle C is 440 Hz. Each full note above that is $2^{(1/12)}$ more, or 1.0594631 times higher. D is then $440 \times 1.06 =$ about 466.4 Hz; B is $440 / 1.06 =$ 415 Hz). You can interpolate between the notes.

Do the same for the rest of the crystals. It will work; you don't need a counter. I am sure that most of you can get the crystals marked to within 5 to 10 Hz of their actual frequencies. That should be close enough for a 100 Hz filter! You don't even need the piano, if you just match the pitches closely.

Get a counter anyway. They're quicker and lots of fun, and you don't get funny stares from the dog as it wanders through the living room.

Dan Winkler N7IVR Seattle WA

Date: Sat, 31 May 1997 10:41:20 PST
From: dwink@juno.com (Daniel C Winkler)
To: qrp-1@Lehigh.EDU, Monte@pacificrim.com, ki6ds@telis.org

Subject: [20599] 38S bandspread tuning, thump revisions
Message-ID: <19970531.204645.8831.0.DWink@juno.com>

Hi Gang,

There is one solution to tuning the 38S that I don't believe has been mentioned: a bandspread tuning control. Radio Shack sells a 100k dual audio taper pot (about \$2). If you connect one side of the dual pot (pot A) to (+8), and the other side of the other half (pot B) to ground, and then connect a smaller (5K) pot between the wipers of these two (A and B) 100k pots, you will effectively be able to "move" the 5k pot up and down the 8v tuning range. The 5k pot will have about 0.4 volts across it, which should really spread out those signals.

I have sullied my (previously virgin) 38S board. Half the components are in place. With all the mods it has been slow going. (I keep adding and measuring and changing stuff!) In building up the board, I discovered some problems with my proposed fixes for the thump.

The first involves the "virtual inductor", or isolating transistor for U3. U3's power supply needs to be quieted. I suggested breaking the power supply line to U3 by cutting the fine traces going between the pins of U2. This turns out to be a real pain in the... (I did it, but ...) .

I suggest cutting the thicker trace distal to that comb of fine traces (distal is a medical word- means farther away from some central reference point). Probably the best spot is just proximal to C44, the 0.1uF bypass cap for U3 (proximal means closer to the center - the opposite of distal).

The second error is minor. I said to isolate U5-A from U5-B by cutting the trace just to the left of U5, before it hooks up with R19. Well, you guys already caught the fact that it's R21 over there, not R19. But did anyone notice that this trace also goes to C34? C34 is supposed to feed high frequency audio back from pin 7 (U5-A output) to pin 6 (U5-A (-) input). When done as described, my mod will change the feedback path of C34 slightly: it will go from the INPUT of the U5-B section (which is R21, 510 ohms), back around to the (-) input of U5-A. So we have a little extra in series with C34's feedback path, namely: the 85 ohms of the U2 channel (switch) resistance in series with the 4.7uF tantalum cap you added from U2 to R21. My modeling program shows this makes no difference whatsoever. However, I didn't think this all the way through while building my 38S, so I removed C34 and piggy-

backed it across R20 (where it logically belongs). No harm done, as it left the space for C34 open, and I added some more junk there.

Dan Winkler N7IVR Seattle WA

Date: Sun, 1 Jun 1997 00:10:43 -0400 (EDT)
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
To: qrp forum <qrp-l@Lehigh.EDU>
Subject: [20600] Testing mixers
Message-ID: <Pine.BSI.3.93.970601000415.8200A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

All this talk about the SBL-1 and other diode ring mixers lately reminded me that I have a 95% finished article that I wrote for the QRP Quarterly in 1990 or so but never submitted, on testing mixers at home. It's not a rigorous test and doesn't fully test them over the entire frequency range, but does give a good go/no go indication. The main thing is whether the diodes in them are still good, bad, or somewhere in between. Testing is simple enough, and I even built a test adapter for them. (That's one of those esoteric pieces of test equipment that most people will never use, though I've made considerable use of mine--I've tested somewhere in the vicinity of 200 DBMs--that's two hundred, which is not exaggeration, all done at home. The vast majority of those were mixers bought at very good prices and passed on to homebrewing friends at cost over the years after making sure they were good. Some of you probably still have some of those mixers I sold you!)

If there is enough interest in having the article see the light of day, meaning more than one person, I'll dust it off, update it and submit it to the QRP Quarterly. Might even consider posting it to qrp-l, along with some [shudder] ASCII art.

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

Date: Sun, 1 Jun 1997 00:21:16 -0500
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [20601] Contests and SS
Message-ID: <199706010521.AAA16245@chuck.dallas.sgi.com>

Gang,

Just got back last night from Spain and what a trip. Started out with a 9+ hour lengthening of the flight over. Got past Bermuda, turned back to Bermuda, and then flew to JFK and held up in terminal for almost 3 hours in the middle of the night. Lost a passenger in flight and all the issues that entails.

Thanks to Jon, EA2SN, for two days of hospitality at the end of the trip. He loaned me a receiver and I got a chance to listen to the bands. 40M is a nightmare in EU with the BC stuff.

Also now know why 10.106MHz will not get you any DXCC contacts in EU as the commercial RTTY station there is murder over there (relative to the US).

Anyway, caught up on reading 2500 emails and this after replacing a modem that went belly-up on the day we left for Spain.

On the trip over I carried 1994, 1995, 1996, and 1997 issues with the ARRL SweepStakes results. I now have all the QRP scores in the computer for analysis and an article for QST.

Like the robot in "Short Circuit" I need more data. Need input.

So, if you played in SS over the past 10 years I would like to get your logs via email and ASCII. I just want to get a sample and do analysis on B, A, and Q stats for a cross-section of B, A, and Q stations. This should be relatively easy if you already submitted data to ARRL via email.

I need the data for stations, even if you weren't QRP. We know the B and A stations can hold a frequency. My guess is that two-way Q contacts are relatively rare during the contest.

I could not help but note that SS Phone Q stations are significantly lower in number than during SS CW.

OK, now where did I put the info for the contest reflector?

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=032 30m=21 17m=5 12m=0 States=19/05/00 DX=03/00/00 QSLs=012

Date: Sun, 1 Jun 1997 00:01:44 -0600

From: nskouzen@scientechn.com (Niel Skousen)

To: qrp-1@Lehigh.EDU

Subject: [20602] WTB: Tokyo HiPower HT-750

Message-ID: <v01510100afb6c017baa6@[205.180.127.49]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Gonna be on travel in the Denver area for the next 6 weeks (YUK!!) so I'm looking to try out 15m and 6m QRP if I can find a '750 I can afford.

Please e.mail me if you have one available. Will have a reasonable lab available, so even repairable is OK....

Course a Sierra w/ KC-2 would be nice, but probably out of range of what I can scrape up !!

TNX Niel

Date: Sun, 01 Jun 1997 02:00:18 EDT

From: w7rfm@juno.com (John E Hirsch)

To: "Low Power Amature Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [20603] Coffee any one

Message-ID: <19970531.225407.3598.1.w7rfm@juno.com>

Any one in the Federal Way, Tacoma area interested in getting together for some coffee one Sat afternoon or Sunday morning.

I would like to meet some of you in the area and possibly get some help before field day. Let me know if you are interested.

I work Sat am in the Twin Lakes area of Federal Way. There is a nice little coffee shop on 336th st just down from where I work or you can name it.

de W7RFM
John Hirsch, L.M.P.

Date: Sun, 1 Jun 1997 03:31:06 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Al Moyle <moyle@essc.psu.edu>
Cc: QRP List <QRP-L@Lehigh.EDU>
Subject: [20604] Fixes for HW-8 Tuning Caps
Message-ID: <Pine.BSI.3.93.970601031657.28588D-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just read the comments by a couple of you on Fixes for the "Falling Plates" of the HW-8 tuning Caps. Some that I had seen had damaged Fiber Insulators which can be remade with fiber board stock or scrap pcb with foil removed and a bit of epoxy glue. The "Conductive Epoxy" for mending the plates sounds interesting. I have wanted to try using "Solder-It" Paste and my micro flame torch. There are several versions of the Solder Paste, I have a kit with several flavors in it. One is very successful with Aluminum and brass. I guess I am gonna have to "Break A Cap or two just so I can try it out" :^) Can't find the Advertisment now, but it hsa been in the Ham Magazines and often found at Hamfests around the country. Usually a Demo of Patching Holes in the bottom of Aluminum cans. And No, the ice pick won't penetrate the patch. Maybe I am getting my Rods and Paste mixed up? Any way it is worth a try. Anyone got a HW-8 Cap they wanna Sacrifice :^)

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

Date: Sun, 01 Jun 1997 00:41:47 -0700
From: Bill Todd <bill@techline.com>
To: w7rfrfm@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [20605] Re: Coffee any one
Message-ID: <1.5.4.32.19970601074147.006bd17c@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:00 AM 6/1/97 EDT, you wrote:

>Any one in the Federal Way, Tacoma area interested in getting together
>for some coffee one Sat afternoon or Sunday morning.

Hi John -

One our very active NW QRP Club members lives in Federal Way - that would be Bill, N7MOB. I am sure he would be glad to get together with you.

Also, if you are in Seattle on the second Saturday in June, you are invited to our Bi-monthly NW QRP Club meeting at Andy's Diner in Seattle (at 10 AM).

Also, would you like to join us for Field Day?

BCNU,

CUL - Bill-N7MFB

<http://www.techline.com/~bill>

Date: Sun, 1 Jun 1997 03:57:25 -0400
From: Tony Fishpool <G4WIF@compuserve.com>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Subject: [20606] PW QRP Contest
Message-ID: <199706010357_MC2-17A3-D1B5@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

In answer to Ricks question, here is the info, straight from the G-QRP Web pages at the Kanga site:-

Practical Wireless 144MHz QRP Contest

This annual event which takes place in June, is aimed at newcomers =

to amateur radio contests and those keen on low power (QRP) =

operation on the 144 MHz band. The transmitter output power limit is 3 watts. =

The 14th annual PW 144 MHz QRP Contest will take place on Sunday =

15th June 1997 (to be announced) from 0900 to 1600 UTC.

The event is co-ordinated with the 2nd leg of the RSGB 144 MHz Backpacker=
s =

Contest, which will also start at 0900 UTC. =

The rules will be published in full in the June 1997 issue of Practical
Wireless
(the one with articles, from not one, but two handsome devils from G-QRP)=
.

Brief details are: =

The contest is open to individuals or groups, fixed stations or portable.=
=

Transmitter output power must not exceed 3 watts p.e.p. =

Contest exchange: report, serial number, locator. =

Score =3D (no. contacts) x (no. locator squares worked) =

Logs must have first contact in each locator square highlighted. =

Full covering information must be submitted with entry, which must be sen=
t
by =

30th June at the latest, directly to the contest adjudicator at the addre=
ss
given =

in the published rules. =

1997 Contest Stationery

For a sample of log sheets you can mail the organiser Neil G4HLX directly=
at =

ntaylor@rmp1c.co.uk

72

Tony - G4WIF

Date: Sun, 1 Jun 1997 09:26:29 -0400 (EDT)
From: NilsBull@aol.com
To: pharden@aoc.nrao.edu, qrp-1@Lehigh.EDU
Subject: [20607] Re: SBL-1/SRA-1 Mixer Replacement
Message-ID: <970601092628_-562863691@emout08.mail.aol.com>

In a message dated 97-05-28 13:03:18 EDT, pharden@aoc.nrao.edu (Paul Harden) writes: "Before replacing an SRA or SBL mixer, ensure you have GOBS of LO drive power. Much less than the +7dBm, the internal diodes just aren't biased on to perform any mixing action. It will appear like a dead mixer."

Agreed here. My experience with trying to home brew any receiver (and a couple mistaken attempts at being an RF designer with transmitters) using a diode ring mixer (usually SBL or SRA series/styles of many manufacturers) is that you need TONS (if not GOBS) of RF to get 'em working cool. Otherwise you hear nada or close to it.

Recent experience with the TAC1/40 that I picked up at Dayton is case in point. Until I got the injection levels high enough (by tuning the appropriate bandpass filters betwixt LO and mixer), I would have sworn that the radio was dead or moribund.

Once I got the LO levels up there (and it was easy to get to the 100 mVrms with the circuit design), the receiver was, to put it mildly, hot. I was listening at one time to signals slipping past the antenna-to-dummy-load switch. On the speaker. Damn nice radio. Great design.

So the LO injection does make a difference. I agree with Pablo: check the LO foist. Den wooly about de mixer.

73,

Nils

WB8IJN &c

. . . critical loony best known for badgering most kits into silence. . . but that's another story.

Date: Sun, 1 Jun 1997 08:47:24 -0700
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [20608] Field Day in the Ozarks
Message-ID: <199706011346.IAA03174@shell.dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello,
I wonder if anyone in the SW Missouri/NW Arkansas area is interested in participating in QRP Field Day this year? I have been operating solo the past few years. I am willing to travel some to get there and can supply an Argosy and memory keyer for the operation. Please Email direct.

Thanks,

Kelly Ellison
WB0WQS
QRP-L #702
Aurora, Missouri
kelman@Dialnet.net

Date: Sun, 01 Jun 1997 07:47:13 -0700
From: Steve Miller <kg7pv@teleport.com>
To: qrp-l@Lehigh.EDU
Subject: [20609] 38S diode thump mod update
Message-ID: <3.0.1.32.19970601074713.00689058@mail.teleport.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,
I posted a mod adding back to back diodes to pins 1/2 of the 5532 (U5).
Had a comment back that this second set (I had already added diodes to the first section of U5 pins 7/8) would affect the audio.

Glen was right. On more extensive testing with the second set of diodes I found that the audio IS reduced on loud sigs. On VERY loud sigs there is some distortion but that can be dealt with by reducing the rf gain pot. My first set of diodes took my thump down by 50% and the second set took it down to a non-objectionable tick.

I have R24 installed and I am using a very efficient pair of 8 ohm Yaesu phones. Glen noted that for some phones the audio would be reduced too much by the second set of diodes. My rig has plenty of audio so the gain reduction is not a concern - works like a simple agc in fact but am not sure I can live with having to ride the rf gain to deal with distortion on the very loud sigs. There is not any noticeable audio reduction on normal or weak sigs that I can hear ... so the usual caution...you mileage may vary. 73

Steve Miller kg7pv @ teleport.com Portland, OR
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

Date: Sun, 1 Jun 1997 07:59:48 -0700 (PDT)
From: kd7s@psnw.com (Bill Jones)
To: qrp-l@Lehigh.EDU
Subject: [20610] Need Better Field Day Logging Method
Message-ID: <199706011459.HAA06339@sierra.psnw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Friends,

In preparation for Field Day, I've been trying to figure out a better (and quicker) way to log contacts and avoid dupes. While the ARRL dupe sheets work okay, they often take quite a bit of time to check and require too much paper shuffling. Obviously a portable PC would solve the problem....but I don't have a portable PC.

Has anyone come up with a sure-fire, quick and cheap method to avoid duplicate contacts while maintaining an accurate log?

=====
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
=====

Date: Sun, 01 Jun 1997 10:43:51 -0500
From: "J.B. Fox" <w5hir@mail.phoenix.net>
To: qrp-1@Lehigh.EDU
Subject: [20611] Resonators and mixers
Message-ID: <199706011552.KAA28336@raid2.fddi.phoenix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Would some one please enlighten me on the Resonator. Just what is it, and how is it used??? Is it similar to a filter as in crystal filter? is it like the old Collins mechanical filter?? I have asked people at several parts houses, and they give me DUhhhhh. They sell em, but don't know what they are or how they are used. (welcome to the real world)

Who handles the SBL mixers?? These I am not familiar with either. seems I'm having one of those famous Senior Moments HI!

foxy w5hir@mail.phoenix.net

Date: Sun, 1 Jun 1997 16:46:34 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
To: rgobrick@worldnet.att.net
Cc: qrp-1@Lehigh.EDU
Subject: [20612] Re: NE602's - Disappearing?
Message-ID: <199706011549.LAA22070@mail.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

There is another line of kit designs that use the SBL-1/TUF1 series for the mixer - the KK7B series of kits. The R1 and R2 use the SBL-1, and the miniR2 uses the TUF-1. When combined with the T2 (SBL-1 in that one also) and the LM-2, you have a single band multimode xcvr that also has an mmic as a pre-amp in front of the dbm.

The QRP community seems to be passing these by - the vhf/uhf/microwave crowd has been using them for several years as the IF for their rigs for weak signal work.

By next year at Dayton I hope to strap a homebrew xtal filter (as per the paper at FDIM) in front of one of these and see how it performs with a Hands mixer board in front of it....

Again - the standard disclaimer does not apply - I supply the KK7B line of kits....

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://qrp.cc.nd.edu/kanga/>
419-423-4604

Date: Sun, 1 Jun 1997 11:56:33 -0400 (EDT)
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-1@Lehigh.EDU
Subject: [20613] Re: Need Better Field Day Logging Method
Message-ID: <199706011556.LAA11321@mail3.voicenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang, I sent this to Bill and forgot to cc qrp-1!

>Date: Sun, 1 Jun 1997 11:54:56 -0400 (EDT)
>X-Sender: n2cx@popmail.voicenet.com
>To: kd7s@psnw.com
>From: Joe Everhart <n2cx@voicenet.com>
>Subject: Re: Need Better Field Day Logging Method
>
>At 07:59 AM 6/1/97 -0700, you wrote:
>>Friends,
>>
>>In preparation for Field Day, I've been trying to figure out a better (and
>>quicker) way to log contacts and avoid dupes. While the ARRL dupe sheets
>>work okay, they often take quite a bit of time to check and require too much
>>paper shuffling. Obviously a portable PC would solve the problem....but I
>>don't have a portable PC.
>>
>>Has anyone come up with a sure-fire, quick and cheap method to avoid
>>duplicate contacts while maintaining an accurate log?
>>=====

>>Bill Jones - KD7S <><
>>Sanger, California
>>Reply to kd7s@psnw.com
>>=====

>>
>
>Bill,
>

>I think the best solution is a logger!

>

>This can be a two-problem solution.

>

>Find someone who is a reasonably competent cw operator but who may be hesitant
>to operate in a contest. Start him/her out slowly as you begin the contest
>and

>he/she should be able to catch on pretty quickly with you acting as a teacher.

>After a couple of hours, things should be operating pretty smoothly with you

>being able to concentrate on working folks and the logger handling the paper

>shuffling. And you can trade off operating and logging periodically. By

>the end of the weekend, you will have a shiny new well-trained operator who

>has learned your skills and you have gained satisfaction in mentoring while

>being relieved of much of the drudgery of the logging mechanics.

>

>My friend and elmer Jay Shaw, K2JS (ex-K2BZK) took me under his wing this way
>years ago and I believe in passing it on.

>

>

>72/73,

>

>Joe E., N2CX

>

>from Southern New Jersey, y'all

>

>work: jeverhart@cayman.vf.mmc.com

>home: n2cx@voicenet.com

>

>

>

>

>

72/73,

Joe E., N2CX

from Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com

home: n2cx@voicenet.com

Date: Sun, 1 Jun 1997 16:50:01 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
To: w5hir@mail.phoenix.net
Cc: qrp-1@Lehigh.EDU
Subject: [20614] Re: Resonators and mixers
Message-ID: <199706011552.LAA22730@mail.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

A company called Mini-Circuits manufactures the SBL series of mixers.
You can reach their distribution center at 800-654-7949.

For small quantities you might try Buckeye Electronics at
buckeye@alpha.wcoil.com

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://qrp.cc.nd.edu/kanga/>
419-423-4604

Date: Sun, 1 Jun 1997 11:18:05 -0500
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [20615] Attn: QRP Clubs
Message-ID: <199706011618.LAA16938@chuck.dallas.sgi.com>

Gang,

This next weekend is HamComm in Arlington TX, a.k.a. The Mid-Cities,
as Arlington is midway between Dallas and Ft Worth or midway between
Ft Worth and Dallas. :-)

Each year I print up some handouts and each year the information grows
and grows and needs to be updated. The game is the same, the players
have changed. Clubs have addresses and leaders change and addresses
change as we tend to live in a dynamic environment, especially in the
United States. We have seen dues go up and printing costs and mailing
costs go up. Such is life as we know it.

So here is what I need by Wednesday 2359UTC (late Wednesday so that I
can get to the printer noon Thursday with final copy).

Club Name and Address on first line.

7 lines of information limited to ****80 characters**** per line.

One line with Contact, email address and web page is apropos.

Here is an example (not real, so get real) :-)

123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789
Internet QRP Club List --- QRP-L

A verbose QRP fun loving group dedicated to the exchange of ideas and informat'n via the worldwide Internet. Group was founded in 1994 and has since beat many QRP and non-QRP topics to death in ways never before seen or heard on the face of the 3rd rock from the Sun. No dues other than the abuse of reading so much email per day, either in digest form or immediate email delivery, or the cost of delivery of same if you have a charge by the character or message ISP. Just send \$49.95 and \$5.00 for Shipping and Handling to the number listed on your TV screen. Operators are standing by to take your name and number and put you on our special list.

123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789

or, more serious but not complete as whoever does this for your club will want to make sure to get it thought out and edited and re-edited N-times where N is large....

123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789
Internet QRP Club --- QRP-L

A group of 2,000+ email subscribers set up in 1994 for the purpose of QRP discussion and information exchange over the Internet. There is no newsletter and no formal organization other than the informal control provided by Chuck Adams, K5FO, and Jim Eshleman, N3VXI. To join the group send email to LISTSERV@LEHIGH.EDU with msg(without quotes) "SUBSCRIBE QRP-L Chuck Adams K5FO", in body with your name and call in place of Chuck Adams K5FO. Use N/A if no call. **Read** and **keep** the directions from the message that you receive. Chuck Adams, K5FO, adams@sgi.com, Box 181150, Dallas, TX 75218

123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789

Clubs will be listed in Alphabetical order. An email will be sent out late on Tuesday with the current list and on Friday morning with the final list that I will have at that time. The reason for the 80 column limit is to allow the list to be sent via email and have the information not cause problems with a lot of readers (electronic and otherwise). I will strip out the 123456789 lines and delete lines longer than 80 characters. Also, this list restricted to QRP clubs only, please.

This list starts as of this posting with zero entries. So don't assume anything. I know a lot of clubs and I belong to a bunch of them, but I won't have the time to go searching for the information. Please help.

Leader of the club needs to coordinate (usually means sit down and do it) this and only one copy should be send to K5F0.

I will repost the list aperiodically, say every two months or so or more frequently as the data changes to keep this group informed, as the newbies are numerous and clubs want a chance to have their names and info brought up and provide some help to these individuals if they live in the same regional area.

FYI

Chuck Adams K5F0 CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=032 30m=21 17m=5 12m=0 States=19/05/00 DX=03/00/00 QSLs=012

Date: Sun, 1 Jun 1997 12:42:45 -0400 (EDT)
From: K4NK@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20616] swap
Message-ID: <970601124244_-495599291@emout19.mail.aol.com>

QRP Gang;

I have a A&A engineering (Breed Rig) 20 meter monobander with all docs in vy good condx.. Would like to swap it for a 40 meter monobander (any brand) in similar shape.

Please E-mail direct. I am also looking to buy a MFJ 971 tuner .

72 Thanks Les K4NK

K4NK@aol.com

Date: Sun, 1 Jun 1997 12:54:17 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [20617] WTB s&s engineerings tac-1
Message-ID: <Pine.GS0.3.96.970601124947.13704A-1000000@callisto.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would like to try the TAC-1 40 meter rig from S&S engineering.

I have a "like new" OHR wattmeter to trade towards it or will buy it outright.

73,

Jim N2G0
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Sun, 01 Jun 1997 11:55:20 -0500
From: "J.B. Fox" <w5hir@mail.phoenix.net>
To: qrp-l@Lehigh.EDU
Subject: [20618] resonators etc
Message-ID: <199706011704.MAA01505@raid2.fddi.phoenix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who responded to my request for info on resonators and Mixers. Hope I can return the favor... again tks
de, foxy w5hir@mail.phoenix.net

Date: Sun, 1 Jun 1997 13:06:23 -0400 (EDT)
From: K4NK@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20619] S.C informal Group
Message-ID: <970601130619_711499095@emout19.mail.aol.com>

I would like to organize an informal QRP group in the upstate of So. Carolina for show and tell and operating events. Any of you interested please contact me. Also hope to see some of you at the Atlanta Hamfest QRP meeting.

72 Les K4NK

Date: Sun, 1 Jun 97 10:26:49 -0700
From: Russ Carpenter <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>, "Richard Fisher" <KI6SN@aol.com>, "Wayne Burdick" <svecbrdk@mail.well.com>, "Lorraine Aubert" <AC6XK@amsat.org>, "Cam Hartford" <camqrp@cyberg8t.com>
Subject: [20620] Second Reminder for the JUNE SPARTAN SPRINT
Message-ID: <199706011727.NAA45963@nss2.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

The June Spartan Sprint will be held on June 2 (which is our standard date--the first monday of the month). We'll operate on two bands--40 and 20. DON'T WORRY IF YOUR STATION IS A BIT TUBBY. WE COMMEND THE WINNERS IN TWO CATEGORIES--POINTS, AND POINTS PER POUND.

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

Please don't attempt to use our automated contest reporting system this monthy. We're remodeling it. It will be back in operation for the next Sprint.

1. Start at 9:00 PM EDT, 8:00 CDT, 7:00 MDT and 6:00 PDT.
Finish at 11:00 PM EDT, 10:00 CDT, 9:00 MDT and 8:00 PDT.
2. The frequencies will be 7040+- KHz and 14,060+- KHz. (You may operate one or two bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. You can take credit for working the same station on a second band.
6. To encourage QRPers to discover that there is life outside 40 meters, we'll give double points for contacts on 20 meters.

After the contest, send Russ Carpenter, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. If you get that information to Russ by Tuesday night, he will include your data in the contest results, which will be published on Thursday on the ARS web site and the QRP-L. Russ' email address is russ@natworld.com.

The Spartan Sprint is based on a simple but stimulating concept. We are

encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

<P>

ARS provides handsome certificates to the operators who achieve the top two scores in points, and points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

72, Russ Carpenter, AA7QU, Contest Manager
russ@natworld.com

Date: Sun, 1 Jun 1997 13:58:29 -0400 (EDT)
From: Kr0i1@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20621] 50/40/30 Activity
Message-ID: <970601135829_-162051721@emout10.mail.aol.com>

Hi gang,

Will be putting Missouri on the air this coming Tuesday evening, 3 June, 7PM-11PM CDT running 5 watts to vertical. Planned schedule follows:

30M 0000Z-0159Z 6/4 10.116 +/- QRM
40M 0200Z-0400Z 6/4 7.040 +/- QRM

Will call on 7.112 +/- at 0230Z, 0300Z & 0330Z

72/73 de Mac, KR0I, Independence, MO

QRP-L #1037 QRP ARCI #3227

Date: Sun, 1 Jun 1997 10:58:55 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [20622] CQ Harry KG5LO - Tnx!
Message-ID: <199706011758.KAA21198@usr08.primenet.com>

Sorry to send this to the List, but I lost Harry's email address.

Harry, thanks much for the SWR article!!! Realize this is terribly late, but having spent my vacation Spring Cleaning (bleh...) I ran across your mail in my ever-expanding "To Do" pile. Hope to build the critter next month, just in time for the ARS Flight o' the Bumblebees.

'Course here in AZ, an innocent bumblebee is likely to be mistaken for a killer bee scout by the panic-ridden public and squashed with extreme prejudice... I'd best keep my eyes open and my profile low. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And now... The exploding Blue Danube."

Date: Sun, 1 Jun 1997 14:33:08 PST
From: wb2vuo@juno.com (William K Hibbert)
To: qrp-1@Lehigh.EDU
Subject: [20623] FS/FT Yaesu FT-707
Message-ID: <19970601.143313.4607.3.wb2vuo@juno.com>

Having looked thru the text-only descriptions on the OHR line, I am interested in the OHR 400. Seeing that I have listed the Yaesu before, I am amending this to a possible swap.

As the cash flow here is poor, if someone is interested in the FT-707, and is willing

to order an OHR 400, the DD-1 and a SCAF, unassembled, I would like to entertain a swap. Or I will sell it outright & buy the OHR 400. Particulars below:

Yaesu FT-707 HF transceiver: Covers 80 - 10 Meters (Including the 30/17/12 Mtr WARC bands). Up to 100 watts out, but throttles back to milliwatts for QRP. Transverter output on the rear apron (about 1 mW into 50-ohms). Runs USB/LSB/AM/CW, but no FM. Digital display (a sorta greenish-yellow LED) and analog dial with a calibrator (Marker) You could turn the counter off & use the analog dial to save current. Includes a headset harness (wired for a Heil headset), and a hand mike is included. Cosmetically fair and electrically great. This rig is not mismatch-sensitive and is supposed to still give you 50% power into a 3:1 SWR (although I wouldn't run it into that kind of a load unless absolutely no other antenna was available...)

Asking \$375 if you pick up here or \$400 shipped by your carrier of choice.

Drop me a line if interested...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, NQ2RP/B 10 Mtr QRP Beacon (4 Watts @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

Date: Sun, 01 Jun 1997 14:52:58 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [20624] Re: Testing mixers
Message-ID: <3391C50A.7E20@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Aren't the SBL-1 mixer pinouts designed to allow DC testing with something like a Fluke 75/77 multimeter. You

just test each diode one by one... Zack Lau W1VT

Date: Sun, 1 Jun 1997 13:07:22 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@Lehigh.EDU
Subject: [20625] CW Bandwidth
Message-ID: <199706011908.NAA18859@lynx.csn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I get annoyed with published articles in which the author is either sloppy or ignorant about matters relating to CW operation-- e.g confusing the mode with the code, or calling an A1A signal "interrupted continuous wave"-- but I have my own areas of ignorance and hope someone on the list can clear something up for me.

When I started to "learn radio" almost 30 years ago, CW was defined as a "continuous wave" having a single frequency, turned on and off to provide telegraphic content.

The CW signal, like an AM carrier, was specifically described as a "point frequency" having ZERO (or "infinitely narrow") bandwidth.

When I was studying for my US license I had to learn that a CW signal has a bandwidth in Hz equal to 5 times the keying rate in words per minute. There's at least one exam question on that.

A quick check of the ARRL Handbook indicates that a CW signal will always have key-clicks and/or (?) switching transients, and therefore will occupy bandwidth. But...

A) surely this is a factor of the state of the art in equipment design (some rigs are clickier than others, and there is an apparently unspecified point at which key clicks become a reportable fault), and

B) surely, given the above, to presume a constant rate of bandwidth creep as a factor of speed in wpm must be pretty arbitrary.

By the way, they never said whether those were "PARIS" wpm or "CODEX" wpm, which indicates a secondary layer of arbitrariness [g].

I can understand that a pure A1A transmission is not practically

achievable (just as I understand that you can't really fit an infinite number of CW signals into a single Hz), but it does seem odd to me that we would muddy the waters by apparently assigning a notional bandwidth in such arbitrary fashion! And how could such a thing become enshrined in the technical doctrine as reflected in the question banks?

Maybe it's time to see about some medication. Maybe this is like arguing about how many angels can dance on the head of a pin, but then again maybe we can find out if we get down there and boogy with them [g].

73

Marshall Emm

AA0XI/VK5FN

aa0xi@mtechnologies.com

<http://www.mtechnologies.com/mthome>

Date: Sun, 1 Jun 1997 13:07:22 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: kd7s@psnw.com
Cc: qrp-1@Lehigh.EDU
Subject: [20626] Re: Need Better Field Day Logging Method
Message-ID: <199706011908.NAA18893@lynx.csn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Bill--

>>Has anyone come up with a sure-fire, quick and cheap method to avoid duplicate contacts while maintaining an accurate log?
<<

I don't know if this is different from the ARRL dupe sheets, which I have never seen) or not-- if it is the same, then I don't think there's a better way. If it's better, please feel free to use it (I

didn't invent it, just learned it years ago).

I use manilla folders for duping-- depending on the size of the event and anticipated number of contacts, I use either one side of the unfolded folder for each band and mode, or half of each side (in which case one folder can dupe four bands or band/modes).

The "page" is divided into grids-- five horizontal lines and five vertical lines provide for 25 squares which are labelled with the letters of the alphabet A-Z (either Q and R or Y and Z occupy a single square).

As I make each contact, I write the entire callsign into the square corresponding to the first letter of the SUFFIX of the callsign. This gives a fairly even distribution over time, so you don't have 500 calls listed in the W, K and N squares and 1 in the X square). If it is a smaller contest, I might dupe both SSB and CW on the same sheet, adding -S or -C to the callsign when I write it in the square. In a complicated contest (e.g., in a VHF contest where you can re-contact after elapsed time, or where a station might be roving), I append the QSO time so I can quickly refer back to the full log entry if necessary.

Usually at the end of a big contest I'll have maybe 20 calls in the more populated squares and can still check them fast enough to avoid losing time.

I admit this worked a lot better in Australia, where ALL calls started with VK so you didn't have to write the whole thing down, but it works ok here too.

In field day I usually work with a logger, or log for an operator, and it's easy to keep up. In fact, I can't recall ever discovering a logged dupe when operating with two people. On my own, the system works fine when I am hunting/pouncing, but when calling CQ I occasionally let the duping slip during a run and catch up later (ticking them off on the log sheet to show they've been duped).

By the way-- computers aren't always perfect, either. I've seen many an occasion where with an "old and slow" computer and 1000 Q's in the log you can work them faster than the machine can dupe them!

AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>

Date: Sun, 1 Jun 1997 12:19:25 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [20627] Ramblings
Message-ID: <199706011919.MAA02520@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Guys, I have seen several postings recently that ask for best offer for items for sale. Please put a price on it. I, and I'm sure others, prefer to weigh whether I can afford, or will pay, the price asked, but will not enter into a best offer venture. You know what the equipment is worth, and what you want for it. If they are not too far apart, I (and others) might just make the deal.

On Qrp stuff: The xyl and I went camping this weekend with the express purpose of getting her on the air on CW and QRP. Well, it turned out that the qrp part didn't work out. She had lots of trouble sorting out signals, so had to go to the big rig with the fancy receiver. Anyway, she did make 5 cw contacts, her first ever, on 40M Novice. She is a T+ and studying her code for an upgrade.

So, while I did not make a single contact, but spent time with her, she did, and had a ball. Those of you who had sent her notes wanting to qso with her will be asked to set up a sked, as she feels bad about not keeping up her end of the deal.

73,
Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=5

Date: Sun, 1 Jun 1997 14:59:16 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: henmel@worldnet.att.net, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>

Subject: [20628] Re: 10 turn Pots

Message-ID: <2.2.16.19970601123711.405f9eb6@popd.ix.netcom.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 12:58 PM 5/29/1997 -0700, Norm Melick wrote:

>I just came back from the store, with a new 10 turn pot. Checked it out

>at the counter, no shorts, opens, etc. Then I did what William

>Hibbert/WB2VUO said he did, and added a 100 ohm resistor to each leg.

>

>I now have a \$200.00 38S. It works fine, though!!

>

>And the education!! Now just one last thing. I increased the audio by

>jumpering R24, but I still have to have the RF gain control to max. to

>get decent audio. Is this normal, or can something else be done to

>increase the audio?

I think you have to add another audio amp stage if you want more audio. My 38s has low audio, too. I lowered R24 to 23 ohms, and it's still pretty soft. I tested mine with a signal generator at work:

First figure is 23 ohm R24, 2nd figure is shorted R24, voltages are p-p:

-117 dBm input to the antenna: 22mV / 28 mV to headphones, just barely perceptible tone

-107 dBm input: 31/44 mV

-97 dBm input: 56/103

-87 dBm input: 144/288 - ~300 mV produces a LOUD signal w/my headphones

-71 dBm input: 825mV/1.53V - audio is clipping w/ R24 shorted

-66 dBm input: 1.36V/? - audio harmonics appear, sinewave noticably distorted

Seems to me that the rig is plenty sensitive, but could use a bit more audio gain for those of us who wore headphones for too many hours listening to loud music, eh?

72,

John

@~~~~~

@ John Elder, K06TS - King Of 6 Tiny States, ex: KD6HSK, N5FFH, WB6UWL, WN6UWL

@~~~~~

Date: Sun, 01 Jun 97 13:12:00 PDT
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
To: qrp-l@Lehigh.EDU
Subject: [20629] Re: Counterpoise Lengths

>From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
>But...how long should the wires be? Somewhere I saw the formula. Seems
>to me it was simply a 1/4 wavelength. Or, was it 1/2 wavelength?

Here's a quote from WA6RIK that may be just what you need:

"BTW-There is an article in the brand new issue of Communications Quarterly (pp 9-27) by K5IU, "Optimal Elevated Radial Vertical Antennas," which may be of interest to you. He is touting shortened elevated radials (< 60 degrees) as being better than elevated quarter wave ones. The advantage of the shorter radials (with a radial inductor) is making the current in the radials more evenly distributed." 73/George, WA6RIK

Many thanks to George for the info. 73, Cecil, W6RCA, 00TC

Date: Sun, 1 Jun 1997 17:57:42 -0400 (EDT)
From: Ronald Hands <rhands@hwcen.org>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [20630] Mag mount
Message-ID: <Pine.GS0.3.96.970601175337.4022A-100000@james.freenet.hamilton.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone have a Lakeview (Hamstick) three-sticker mag mount, model 375, for sale?

My local (Ontario) dealer tells me they sold out at Dayton and there won't be a new supply until July.

-- Ron VE3SP
rhands@hwcen.org

Date: Sun, 01 Jun 1997 16:30:34 -0600
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [20631] Re: Need Better Field Day Logging Method
Message-ID: <2.2.16.19970601223034.215f4ec2@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

AA0XI wrote:

>By the way-- computers aren't always perfect, either. I've seen
>many an occasion where with an "old and slow" computer and 1000 Q's
>in the log you can work them faster than the machine can dupe them!
>

Ahh, that's the cool part of using 'CT' software for contest logging..
K1EA came up with some sort of revolutionary (so the magazine reviews say)
way of indexing the log file so that even with 4 or 5 thousand QSO's in a
log (big contest from the DX side!) dupes are checked almost instantaneously
even on a slow 286 or 386sx.. I haven't tried it on an XT a 4.77MHz, but
the program was developed when a lot of hams WERE still using them.. With
my 386sx-16 laptop and 1200 Q's in the log (CQWW contest from Belize), it
still checks dupes as fast as I hit the enter key..

I'd love to have a new, faster, color laptop, but who can justify it when
the program is so fast on the old one!?

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Sun, 01 Jun 1997 18:35:00 EDT
From: n4so@juno.com
To: qrp-1@Lehigh.EDU
Subject: [20632] JY5HX AMMAN JORDAN
Message-ID: <19970601.182842.5215.1.N4S0@juno.com>

Munzer from Jordan
14.029 2220Z

QSL direct Box 182700 Amman

Ken Brown , N4SO
QTH: Nr Mobile, AL
QRP-L #622
n4so@juno.com

Date: Sun, 1 Jun 1997 16:43:00 -0600 (MDT)
From: "Thomas J. Whalen" <whalen@swcp.com>
To: Ronald Hands <rhands@hwcnc.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20633] Re: Mag mount
Message-ID: <Pine.SUN.3.91.970601164033.2899A-100000@kitsune.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 1 Jun 1997, Ronald Hands wrote:

> Anyone have a Lakeview (Hamstick) three-sticker mag mount, model 375,
> for sale?
> My local (Ontario) dealer tells me they sold out at Dayton and there
> won't be a new supply until July.

>
> -- Ron VE3SP
> rhands@hwcnc.org
>
>

Hi Ron, I would suggest that you try Radio Shack for old mag mount type antenna returns. Take four of them and some scrap aluminum and make your own super strong mag mount. That is what worked for me and was very cheap....sometimes FREE! 72, Tom WB5QYT.....PS: Just stay away from the Shack that I get mine from!!!> > > >

Date: Sun, 1 Jun 1997 18:44:33 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <QRP-L@Lehigh.EDU>
Subject: [20634] Back Issues of The QRP ARCI Quarterly Journal
Message-ID: <Pine.BSI.3.93.970601183122.11279A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Again Gang,

Dayton is over and I have finally inventoried the additional Back Issues that I brought home from Dayton.

If you missed the Dayton Deal, That's o.k., you can but direct from me via USPS. I have a limited supply of 1995 & 1996 Sets at \$10.00 per set plus \$3.00 Shipping. Make our your Checks or Money Orders to "George D. Gingell" and send them To G. Danny Gingell, K3TKS at 3052 Fairland Road, Silver Spring, MD 20904-7117

If you want to make sure that you get them, send me email first and I will "Reserve them on a First come First Served Basis".

I also have some Assorted Single Issues at \$3.00 each, or \$2.50 each for 2 or more on the same order. Shipping is also \$3.00.

I have a limited number of January and April 1997 issues at \$5.00 each Postage Included.

I also have a limited number of 1994 Sets available.

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

Date: Sun, 01 Jun 1997 17:46:09 -0500
From: James Parsons <k5rov@worldnet.att.net>
To: ki7mn@dancris.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20635] Re: Ramblings
Message-ID: <3391FBB1.13ED@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Hightower wrote:

>
> Guys, I have seen several postings recently that ask for best offer for
> items for sale. Please put a price on it. I, and I'm sure others, prefer to
> weigh whether I can afford, or will pay, the price asked, but will not enter
> into a best offer venture. You know what the equipment is worth, and what

> you want for it. If they are not too far apart, I (and others) might just
> make the deal.

Well, Bob, I am one of those that often asks for the best offer on things. If I actually know the value of something, and what I would like to get, I will set a price. However, my shelves are filled with gear, parts, etc., that I have had for over 50 years. I have no idea what they are worth. As for what I want, well...when you are retired, and on a fixed income, you want as much as you can get for it. I have had some shocks when I got the offers. I have sold a number of items for over 100 dollars that I thought was junk and would have asked five or ten dollars. No, those things I don't know about, I will let others tell me what it is worth to them. So far, everything I had put up for sale has sold (except for the Collins 310B), and, with very few exceptions, I have gotten far more than I expected for them.

Best 73 and God bless...

Jim, K5ROV

--

James (Jim), Parsons, K5ROV USAF, Ret.

k5rov@worldnet.att.net

EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),

DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).

JOHN 3:16

End of QRP-L Digest 744
